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# PHIN Message Quality Framework (MQF) Release Notes

Release 4.3

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Version 3.0

April 20, 2016

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## Release Notes

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### Release 4.3

### Version History

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	PHIN MQF Team	05/15/2015			Initial edit for release 4.0
2.0	PHIN MQF Team	02/20/2016			Updated for 4.1 and 4.2 MQF release
3.0	PHIN MQF Team	04/20/2016			Updated for 4.3 MQF release

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## INTRODUCTION

### OBJECTIVE

The purpose of this document is to communicate the contents of the MQF Release 4.3 including any changes and/or additions that have been introduced. Content in this document includes the Scope of the Release, and any enhancements/defects that were included in this release. The intended audience of this document is end users.

### SYSTEM OVERVIEW

As a Web application, the Message Quality Framework (MQF) is a flexible framework of services and utilities designed to assist public health partners with preparing and communicating quality standard electronic messages as defined by the applicable messaging, vocabulary, and programmatic standards.

The PHIN Message Quality Framework (MQF) application is designed to accompany and to assist other CDC Public Health systems and partners in promoting the use of data and information system standards to advance the development of efficient, integrated, and interoperable surveillance systems at federal, state and local levels.

PHIN MQF supports single message validation and does not support batch processing of messaging at this time. This functionality will be evaluated for a future release.

## RELEASE 4.0 OVERVIEW

### RELEASE SCOPE

PHIN MQF 4.0 release brought about configuration changes for the case notification structural validators and the accompanying sample test messages

### CONFIGURATION NOTES

1. MQF Case Notification validation files were updated to their equivalent configuration of the production message brokering validators. This process was termed MQF-DMB conformance. The purpose of this configuration was to improve upon MQF as an onboarding and testing tool by ensuring that MQF validation matched that of CDC's DMB production feed. The following case notification structural validators were updated:
  1. TBv2.0
  2. Genv1.0
  3. Arbov1.0
  4. Varv2.0
2. Accompanying sample test messages were updated in concert with the validation changes. Test message updates ensured that structurally valid test messages produced an error-free validation report, and structurally invalid test messages generated errors in the validation report as expected.

## RELEASE 4.1 OVERVIEW

### Release 4.3

#### RELEASE SCOPE

PHIN MQF 4.1 release brought about updates to content validation for Arboviral and Syndromic Surveillance to correct invalid content validation of specific fields. Sample test messages were updated to reflect that changes made to field content validation.

#### CONFIGURAION NOTES

3. For Syndromic Surveillance, MQF database was updated to include the concepts within the value set "ICD10". This update was required to properly validate field DG1.
4. Arboviral Case Notification was not properly validating data field INV169 Condition Code. The field should only be validating against concepts found in the value set 'PHVS\_NotifiableEvent\_Disease\_Condition\_CDC\_NNDSS'. However, it was also accepting values from PHVS\_VirusType\_ArboviralDisease. These concepts have been removed from the database where INV169 valid values are stored so that field INV169 is now being validated against the proper value set. This update required that the accompanying sample test messages be updated to have the correct vocabulary.
5. Arboviral v1.0 sample test messages updated with valid vocabulary for PHIN variable INV169.

### RELEASE 4.2 OVERVIEW

#### RELEASE SCOPE

PHIN MQF 4.2 release updated Arboviral v1.0 to validate Zika virus code and provided updated sample test messages.

#### CONFIGURAION NOTES

6. Added the concept 'Zika virus' for vocabulary validation of arboviral messages.
7. Updated sample messages with Zika virus data to assist states in onboarding and transmission of Zika virus data

### RELEASE 4.3 OVERVIEW

#### RELEASE SCOPE

PHIN MQF 4.3 release configured Arboviralv1.0 to validate both Arbovrialv1.2 and Abroviralv1.3 MMG formatted messages.

#### CONFIGURAION NOTES

8. Arboviral v1.3 MMG release introduces new PHIN variables, new value sets, and an expanded repeating race component in PID-10. The arboviral case notification validation is to be backwards compatible such that the one validator will appropriately validate messages formatted by either v1.2 or v1.3 MMG. This backwards compatible validation is intended to match the backwards compatible validation of DMB production validator in which Arboviral v1.2 and v1.3 are processed, validated, and parsed along one route.
9. Arboviral v1.3 MMG added to list of MQF supported message specifications.